

Converting Colors

$Y_{xy}(64.5590, 0.4419, 0.3842)$

Have a look what the booklet for
Yxy(64.5590, 0.4419, 0.3842)
contains.

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Color

Yxy(58.8114, 0.4190, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC81
RGB	255, 188, 129
RGB Percent	100%, 74%, 51%
CMY	0.0000, 0.2627, 0.4940
CMYK	0.00, 0.26, 0.49, 0.00
HSL	28°, 100%, 75%
HSV	28°, 49%, 100%
XYZ	63.1846, 58.8114, 28.8025
YIQ	201.3070, 58.8710, -4.1450

Conversions

Conversions Part 2

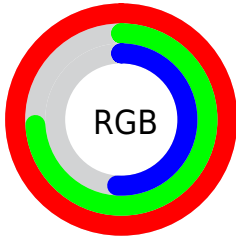
Format	Color
R _Y B	255, 240, 129
Decimal	16759937
CIE Lab	81.19, 17.46, 39.18
CIE LCh	81, 42.894, 65.976
Yxy	58.8114, 0.4190, 0.3900
Android (android.graphics.Color)	4294950017 (0xFFFFBC81)
YUV	201.3070, -35.6474, 47.0888
Hunter-Lab	76.6886, 12.8630, 31.4140

Details

The Yxy color **58.8114, 0.4190, 0.3900** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.3764, 0.2339, 0.2565**, and the grayscale version is **58.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3803, 0.3583, 0.3899**, and **29.6138, 0.4456, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **52.6940, 0.4476, 0.4002**, and if you desaturate by 10%, it is **65.6481, 0.3923, 0.3780**.

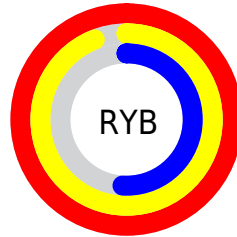
Distribution



Red (100%)

Green (74%)

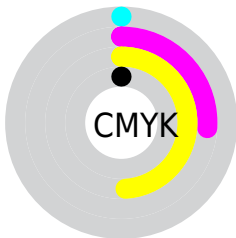
Blue (51%)



Red (100%)

Yellow (94%)

Blue (51%)

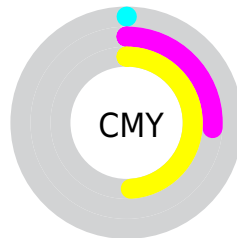


Cyan (0%)

Magenta (26%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8114, 0.4190, 0.3900 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 58.8114, 0.4190, 0.3900 by changing the saturation by 10% instead.


 58.8114, 0.4190,
0.3900

 58.8114, 0.4190,
0.3900


420.2026, 0.3683,
0.3634

 42.4613, 0.4306,
0.3954

 103.1035, 0.4013,
0.3813

 29.4627, 0.4449,
0.4015


 131.8143, 0.3944,
0.3777

 19.4311, 0.4627,
0.4084


 165.4142, 0.3885,
0.3746

 11.9822, 0.4852,
0.4157

204.2874, 0.3834,
0.3718

 6.7316, 0.5138,
0.4222

248.8185, 0.3789,
0.3693

 3.2948, 0.5645,
0.4355

299.3918, 0.3749,

 1.2875, 0.5905,

0.3671

0.4095

356.3917, 0.3714,
0.3652

0.1315, 0.8074,
0.1926

0.0000, 0.0000,
0.0000

58.8114, 0.4190,
0.3900

58.8114, 0.4190,
0.3900

52.6940, 0.4476,
0.4002

65.6481, 0.3923,
0.3780

47.2596, 0.4770,
0.4073

73.2213, 0.3682,
0.3652

42.4808, 0.5054,
0.4101

81.5582, 0.3468,
0.3524

38.3238, 0.5308,
0.4075

90.6818, 0.3281,
0.3400

■ 34.7447, 0.5519,
0.3996

99.9979, 0.3127,
0.3290

■ 34.5445, 0.5531,
0.3990

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.8114, 0.4198, 0.3479



58.8114, 0.4190, 0.3900



58.8114, 0.3881, 0.4217

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.8114, 0.4190, 0.3900



58.8114, 0.2402, 0.3488



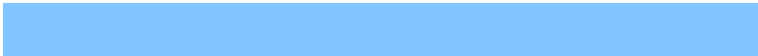
58.8114, 0.2798, 0.2470

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.8114, 0.4190, 0.3900



51.3764, 0.2339, 0.2565

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.8114, 0.2375, 0.2421



58.8114, 0.4190, 0.3900



58.8114, 0.2162, 0.2949

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.8114, 0.4190, 0.3900



58.8114, 0.2843, 0.4015



58.8114, 0.2155, 0.2576



58.8114, 0.3351, 0.2696

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.8114, 0.4190, 0.3900



58.8114, 0.3562, 0.4301



58.8114, 0.2155, 0.2576



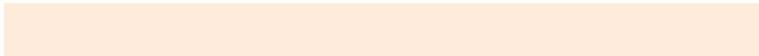
58.8114, 0.2637, 0.2433

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.8143, 0.4190, 0.3900



85.4785, 0.3382, 0.3469



40.9632, 0.3759, 0.2606



17.8902, 0.3423, 0.3495



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8143, 0.4190, 0.3900



52.9279, 0.4464, 0.3999



91.7073, 0.3873, 0.4460



19.3893, 0.3283, 0.3402



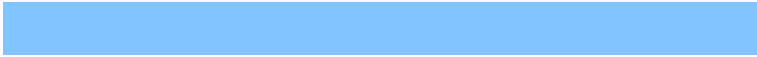
18.3448, 0.5504, 0.4012



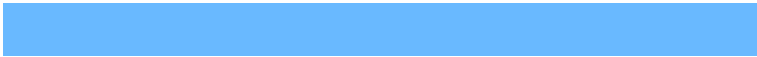
2.0025, 0.5316, 0.4161

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.3764, 0.2339, 0.2565



44.7090, 0.2198, 0.2393



28.7288, 0.2186, 0.1768



18.9773, 0.2979, 0.3176



13.2172, 0.1800, 0.1681



1.5057, 0.1855, 0.1878

Previews

White Background



This preview shows how the Yxy color 58.8114, 0.4190, 0.3900 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 58.8114, 0.4190, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

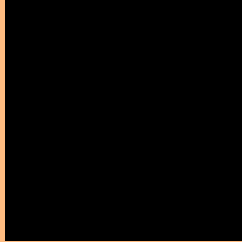
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8114, 0.4190, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 58.8114, 0.4190, 0.3900.



This preview shows how white text looks on a background with the Yxy color 58.8114, 0.4190, 0.3900.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.8114, 0.4190, 0.3900

Protanopia

59.0504, 0.3768, 0.4067

Deuteranopia

58.9315, 0.4077, 0.3987



Tritanopia

58.6109, 0.3658, 0.3166

Trichromacy



Original Color

58.8114, 0.4190, 0.3900

Protanomaly

58.7818, 0.3916, 0.4005

Deuteranomaly

58.7766, 0.4122, 0.3957

Tritanomaly

58.4433, 0.3863, 0.3439

Monochromacy



Original Color

58.8114, 0.4190, 0.3900

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

57.9472, 0.3494, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8114, 0.4190, 0.3900 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 188, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 188, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 129) }
```

Border

The CSS property to change the border of an element to Yxy 58.8114, 0.4190, 0.3900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 188, 129) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 188, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 188, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8114, 0.4190, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
188, 129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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